#### Figure 1

#### 1. Enzyme incubation

## 2. Fe(II) reduction of remaining PGH<sub>2</sub>

### 3. TBA quantitation of MDA

$$\zeta_{\text{CHO}}$$
 + 2  $\zeta_{\text{HN}}$  70°C, 1 hr  $\zeta_{\text{ex}}$   $\zeta_{\text{em}}$  550 nm

NOVEL METHODS INVOLVING THE
DETERMINATION OF ACTIVITY OF ENZYMES
THAT USE OR PRODUCE PROSTAGLANDIN
ENDOPEROXIDE H2
INVENTOR: RALPH H. LAMBALOT
PFIZER DOCKET NO. PC23214A

# Raw TBA adduct Fluorescence vs. [PGH2] Titration

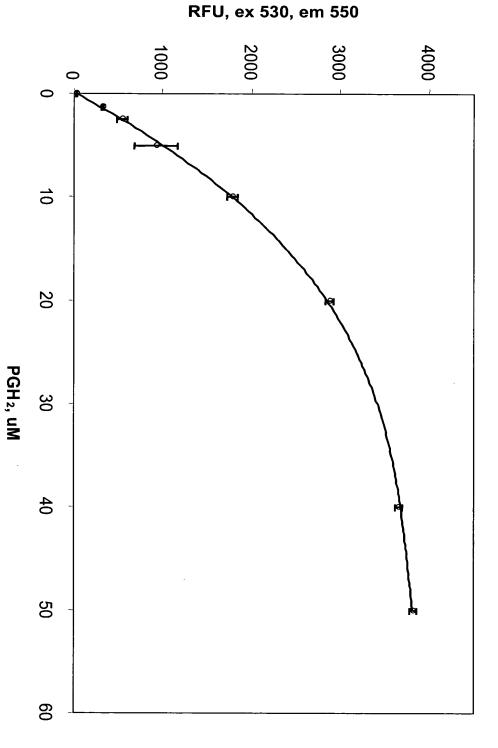
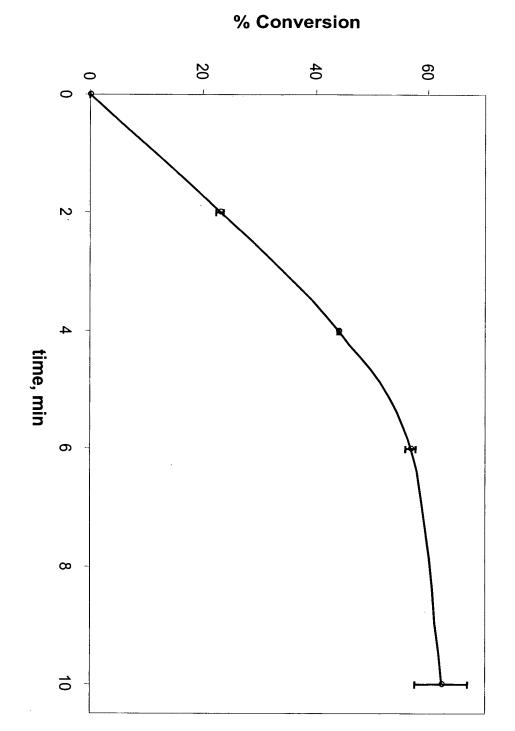
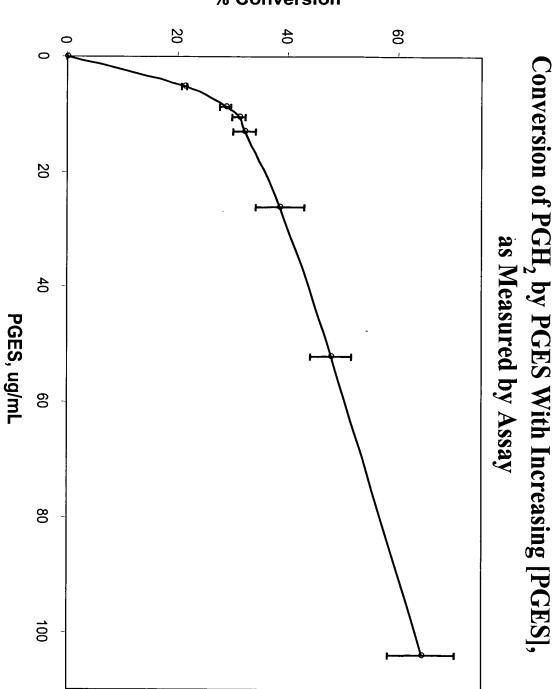


Figure 3

# Conversion of PGH<sub>2</sub> by PGES Over Time, as Measured by Assay

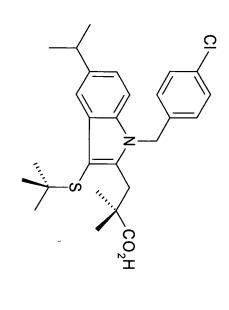


% Conversion



#### Figure 5

$$IC_{50} = 5.3 \pm 1.5 \text{ uM}$$



CAS 118414-82-7

